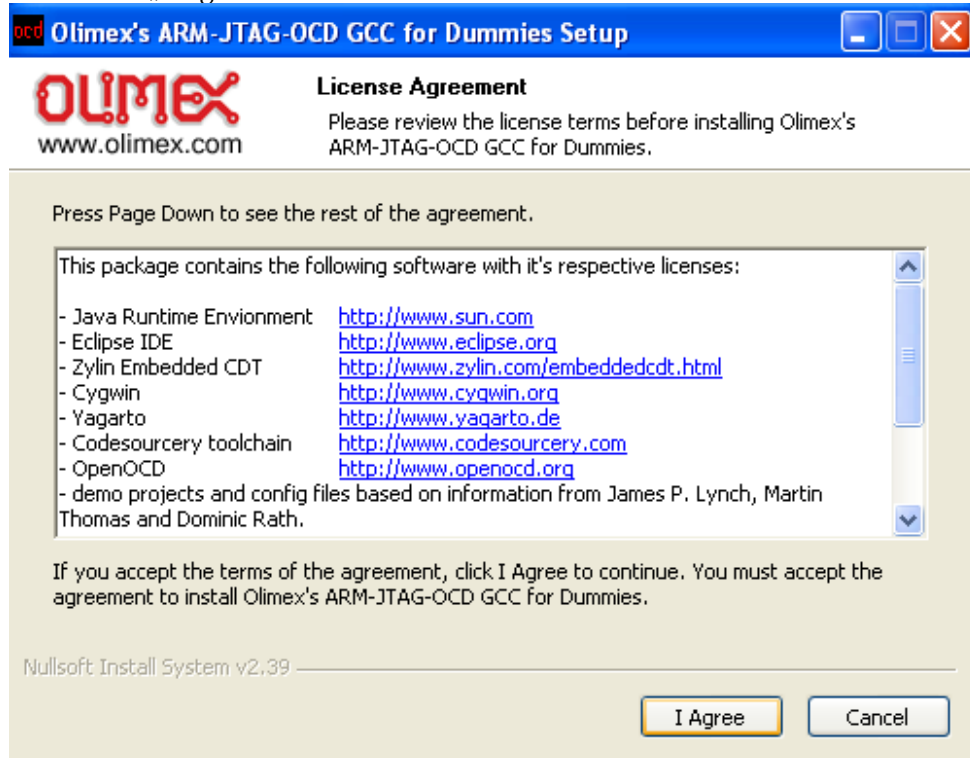# Installation and usage of GCC For Dummies Rev. G
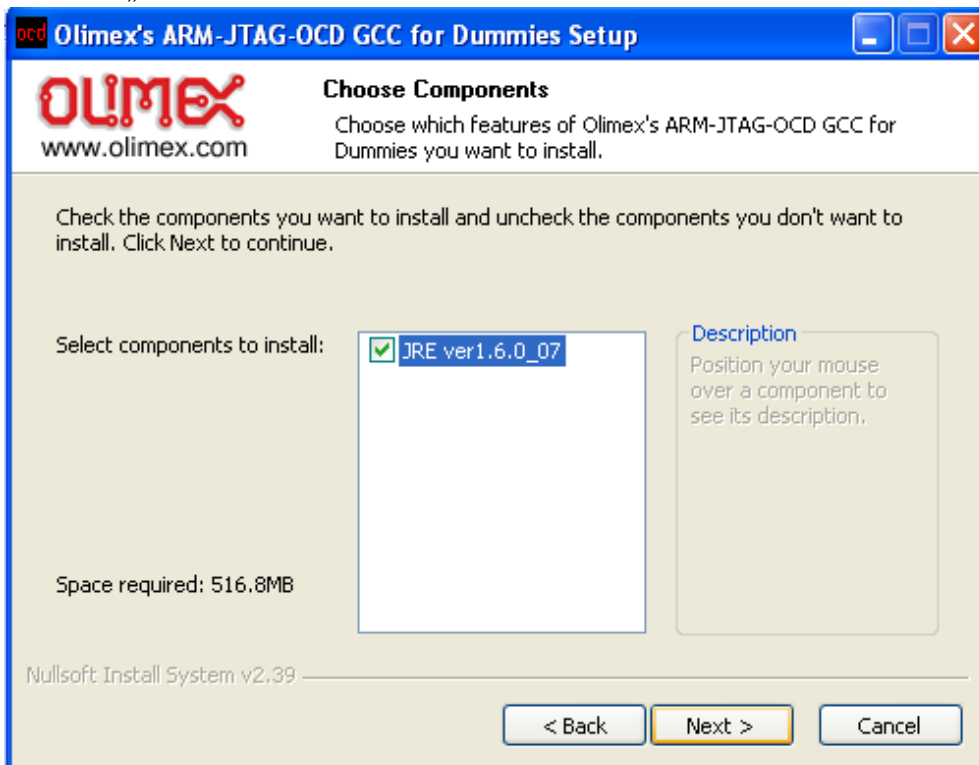# (GCC+ Open OCD)

1. Run Olimex-GCCFD-20081015.EXE and follow the wizard steps. If you choose to install JRE then it will start automatically during installation.

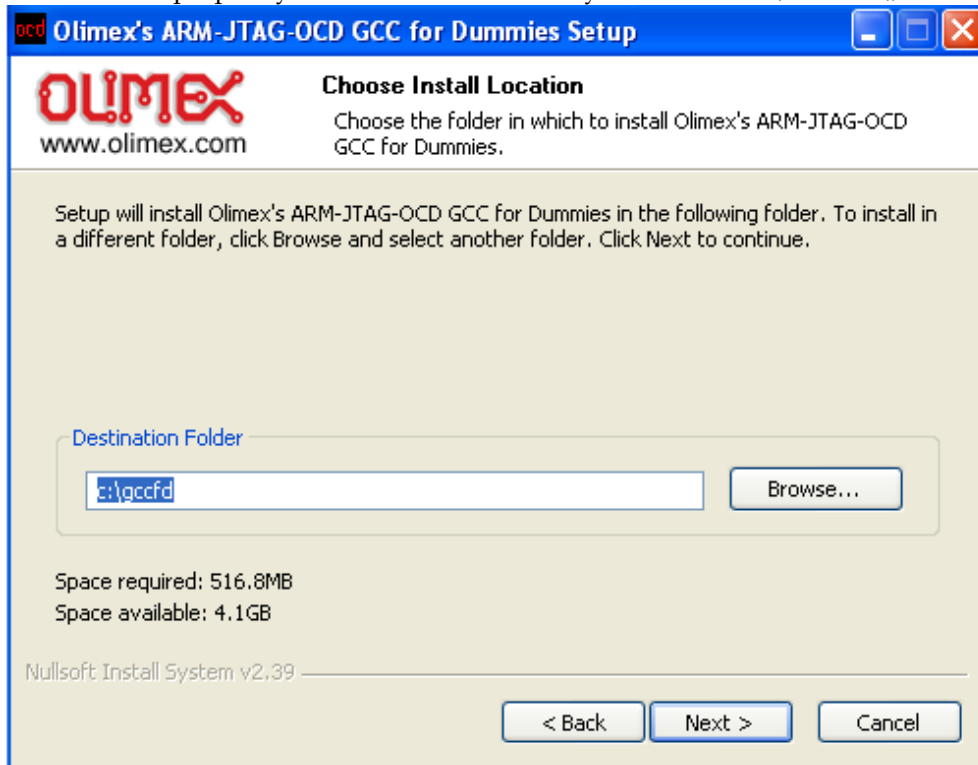Here are pictures of the wizard steps during installation:

1) Here choose „I Agree"
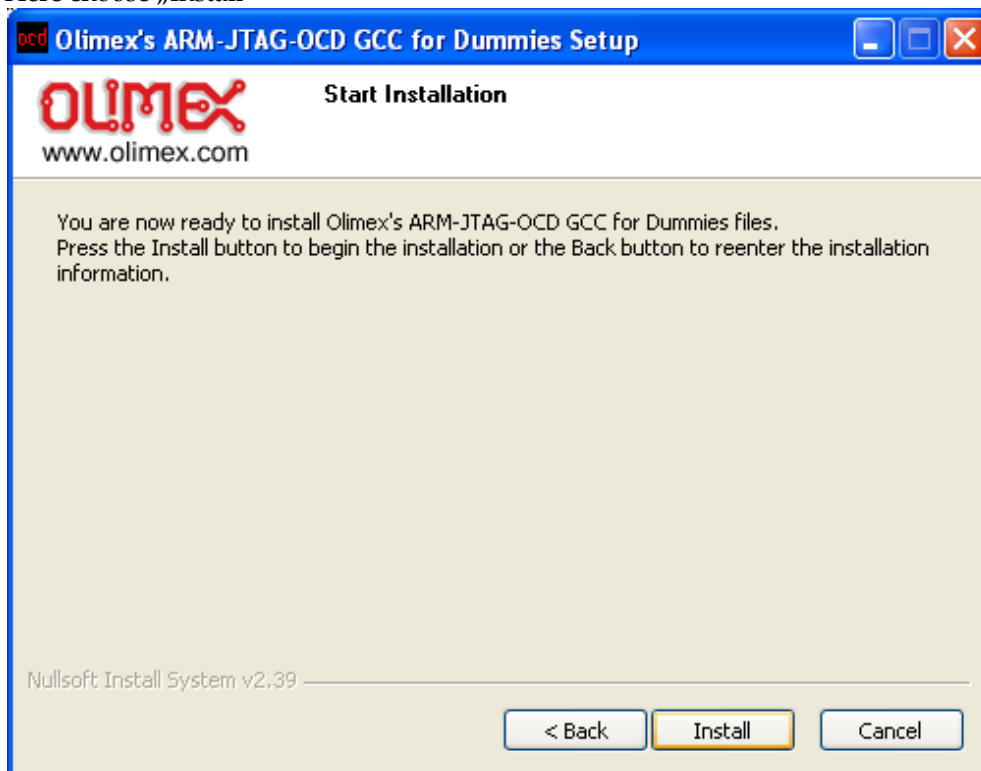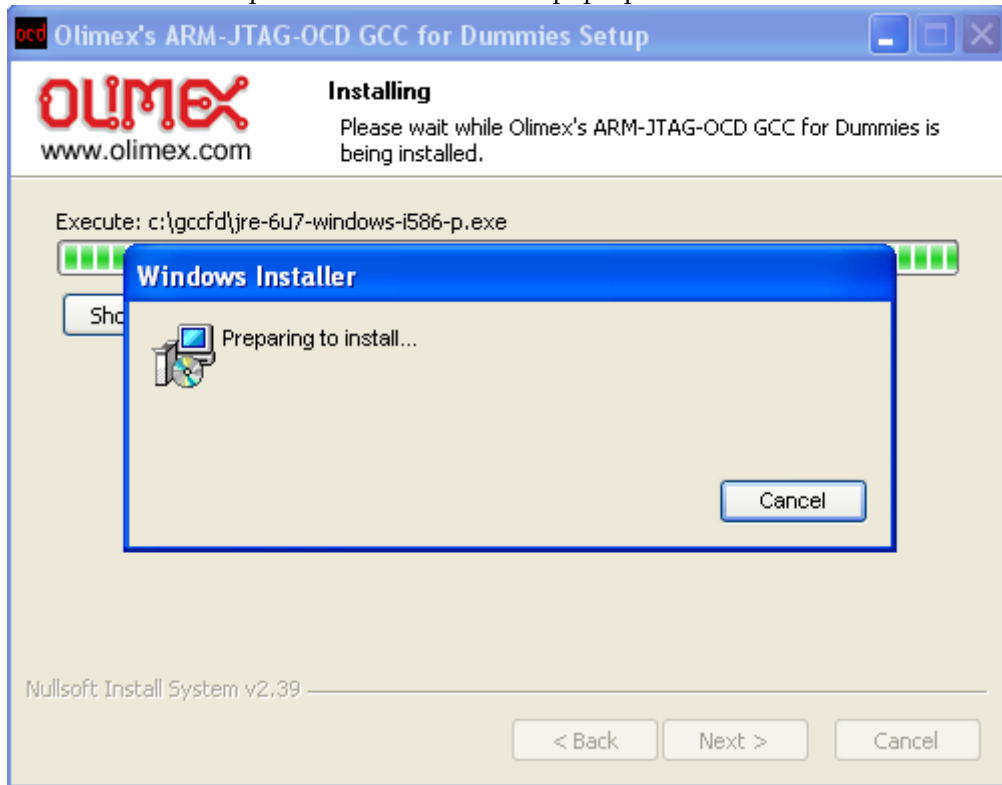

2)Here choose „Next"

3)Here the wizard propose you Destination Folder of your installation, choose „Next"
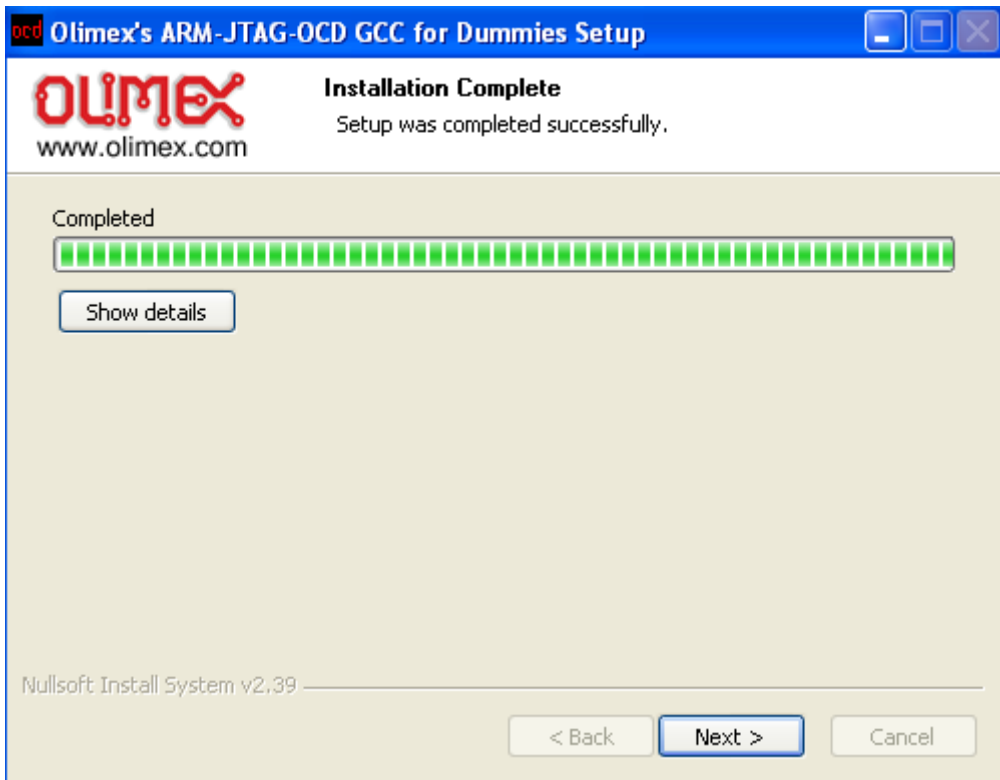

4) Here choose „Install"

5) After installation completes – this window will pop-up - wait!

Starting Java setup – click on „View License Agreement…" and after reading it – close it and choose „Accept"

After installation of Java completes, you click „Next" on the following window:
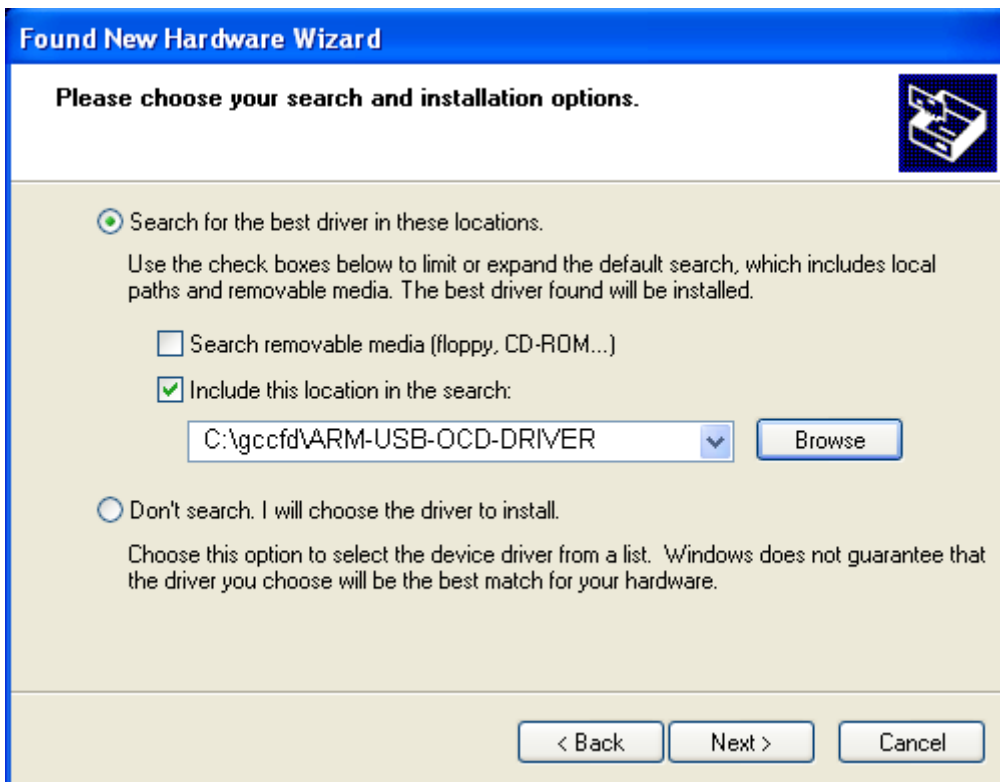
On the next window which will appear you choose „Close". Now you have installed Eclipse on your computer and may use it.
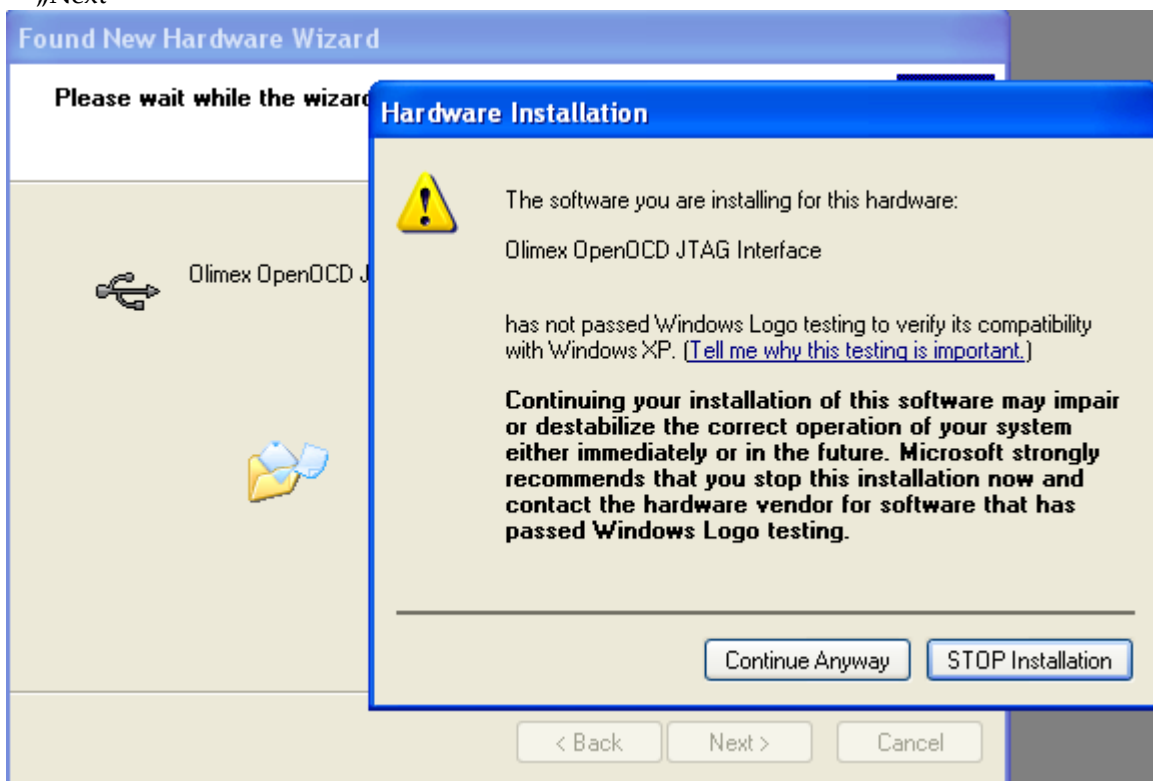
2. First time when you connect to the computer your programmer/debugger – ARM-USB-OCD or ARM-USB-TINY, you will need to install drivers.
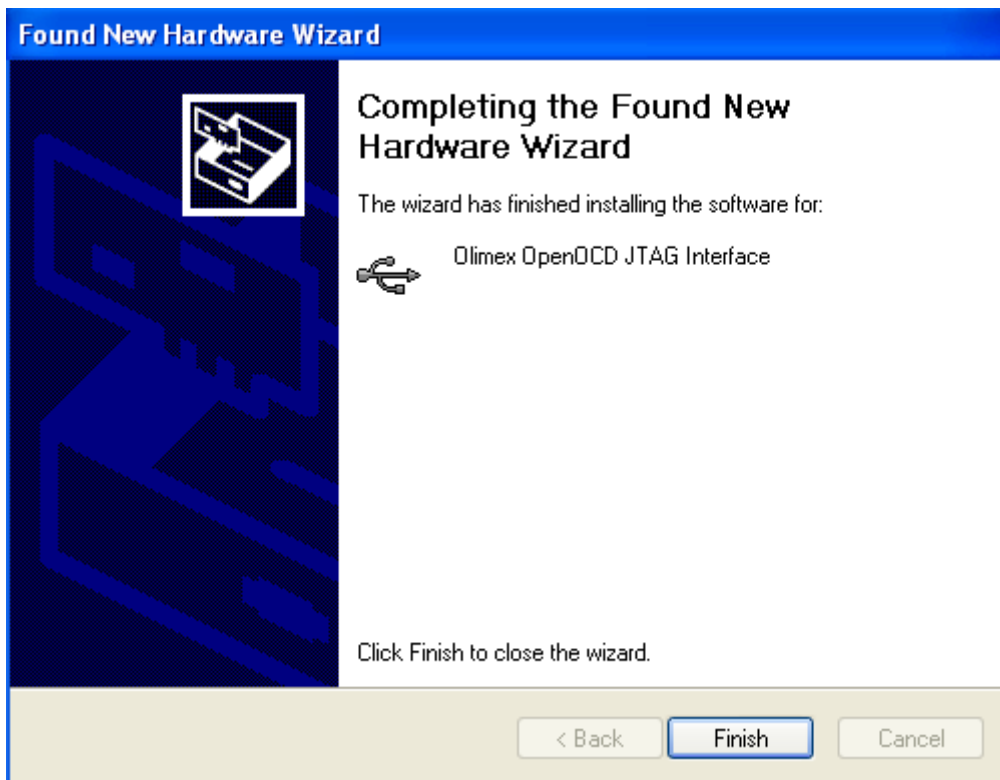

After you choose „Next", on the window shown below, you should browse the directory of your drivers.
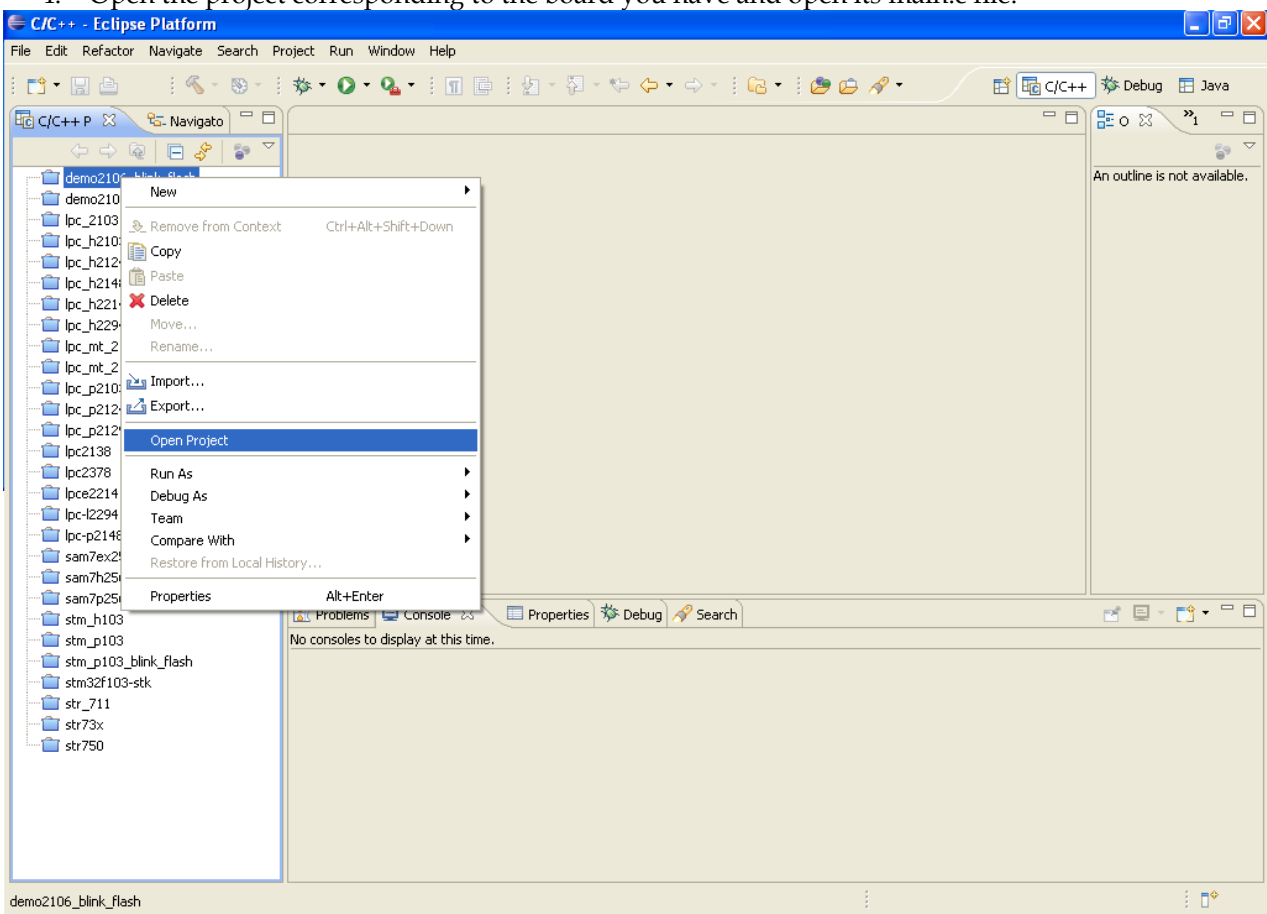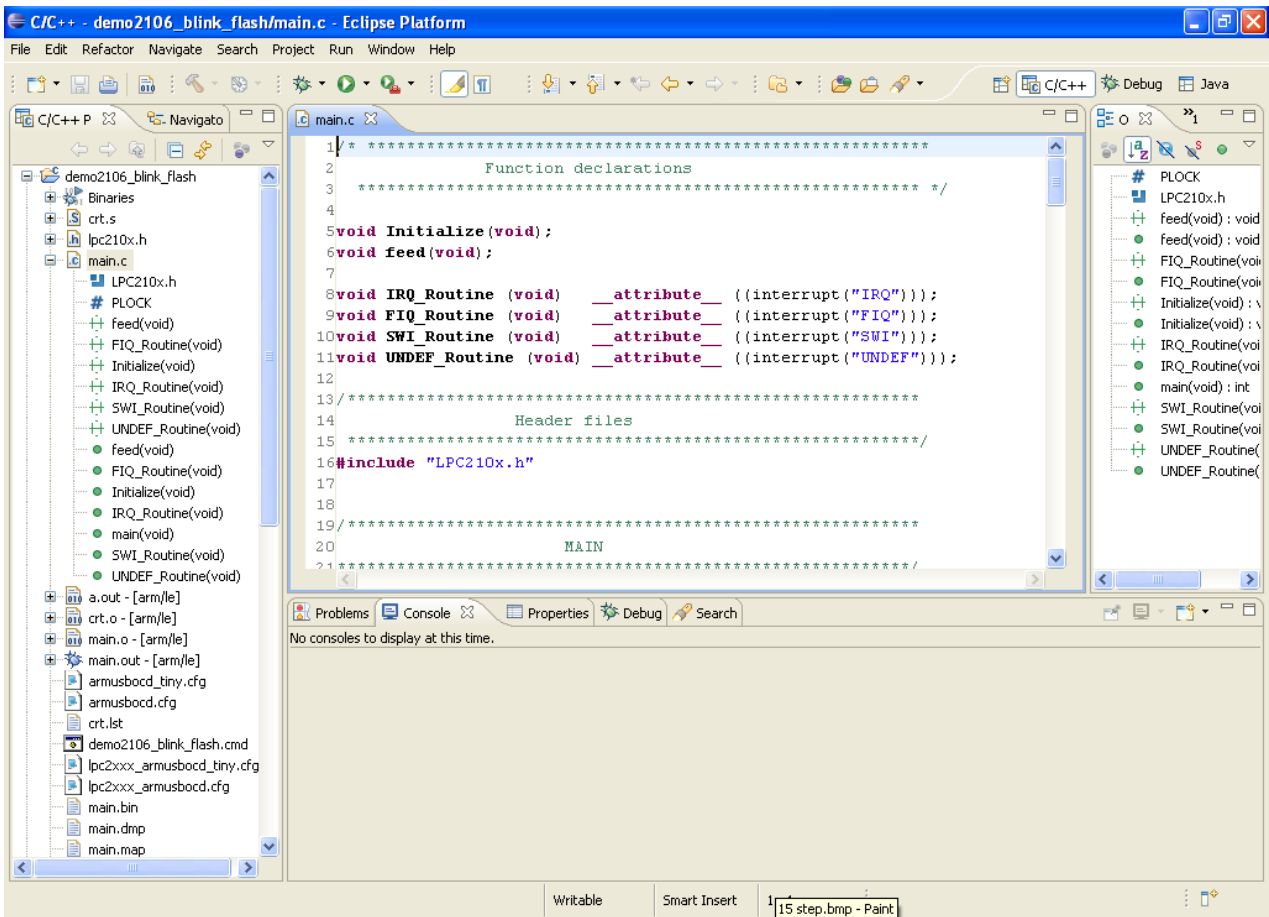
„Next"
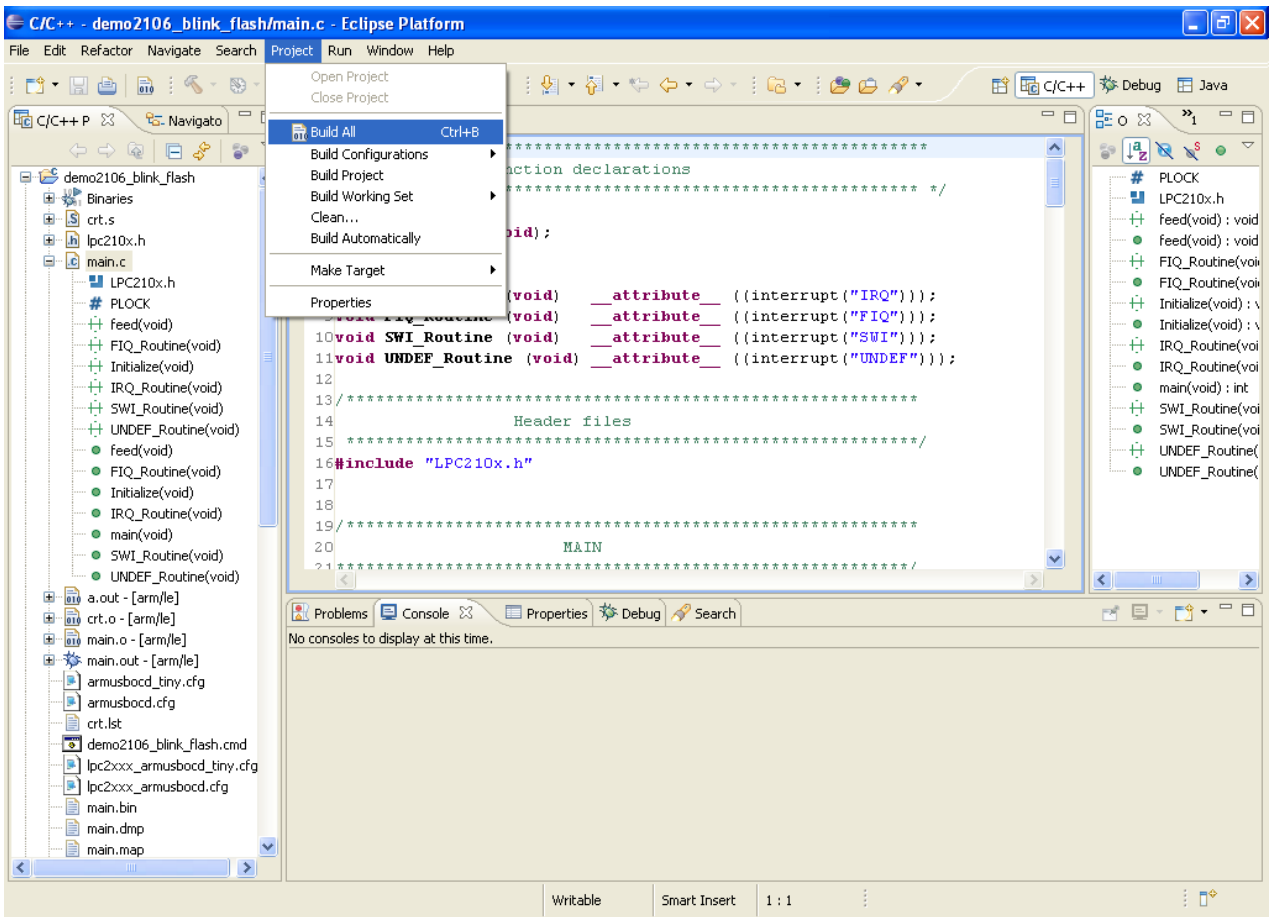

Here choose „Continue Anyway"

When this window appears – choose finish and you are ready to use your programmer/debugger.

3. Run the shortcut "Eclipse" on desktop.
4. Open the project corresponding to the board you have and open its main.c file.
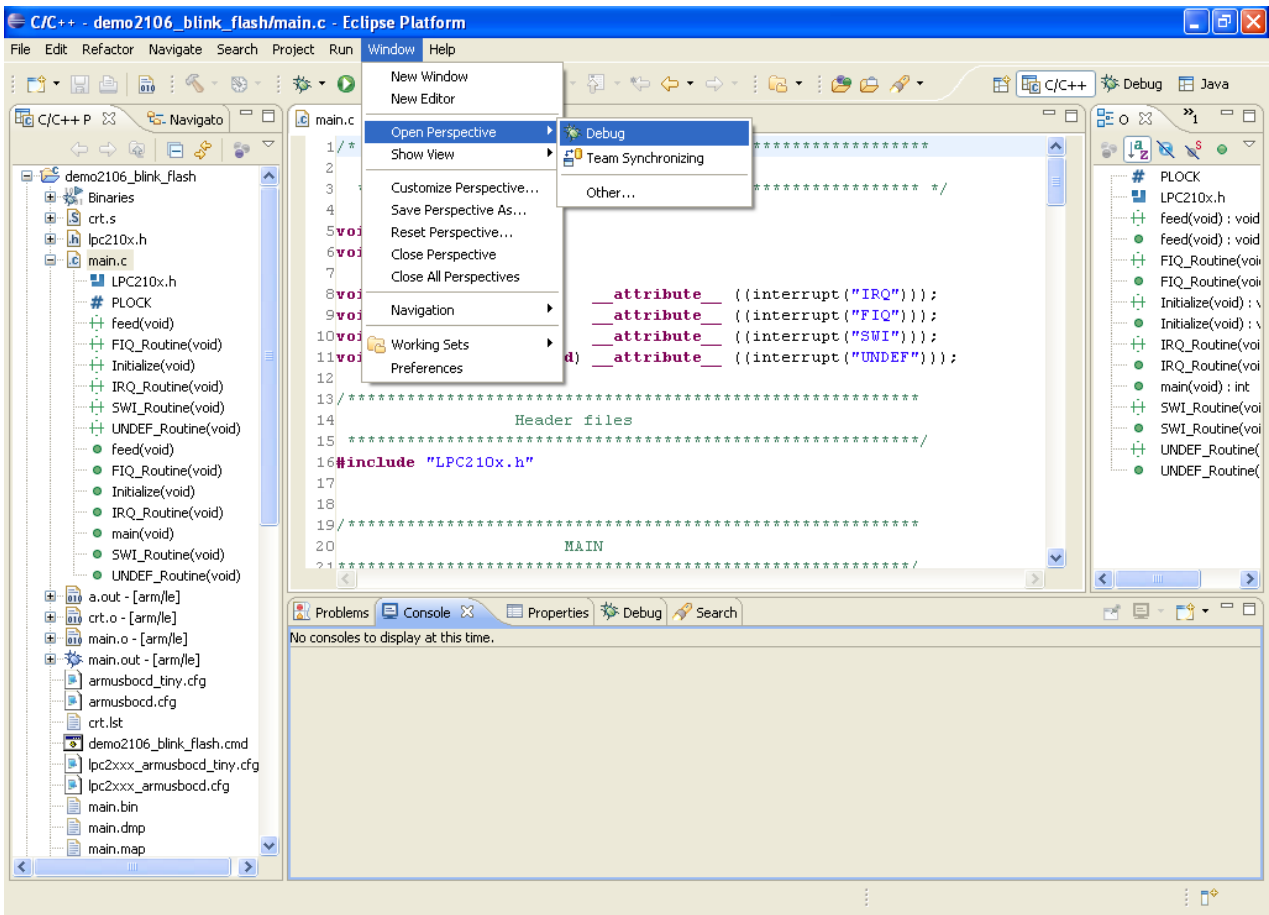
5. Build the project (Project->Build All).
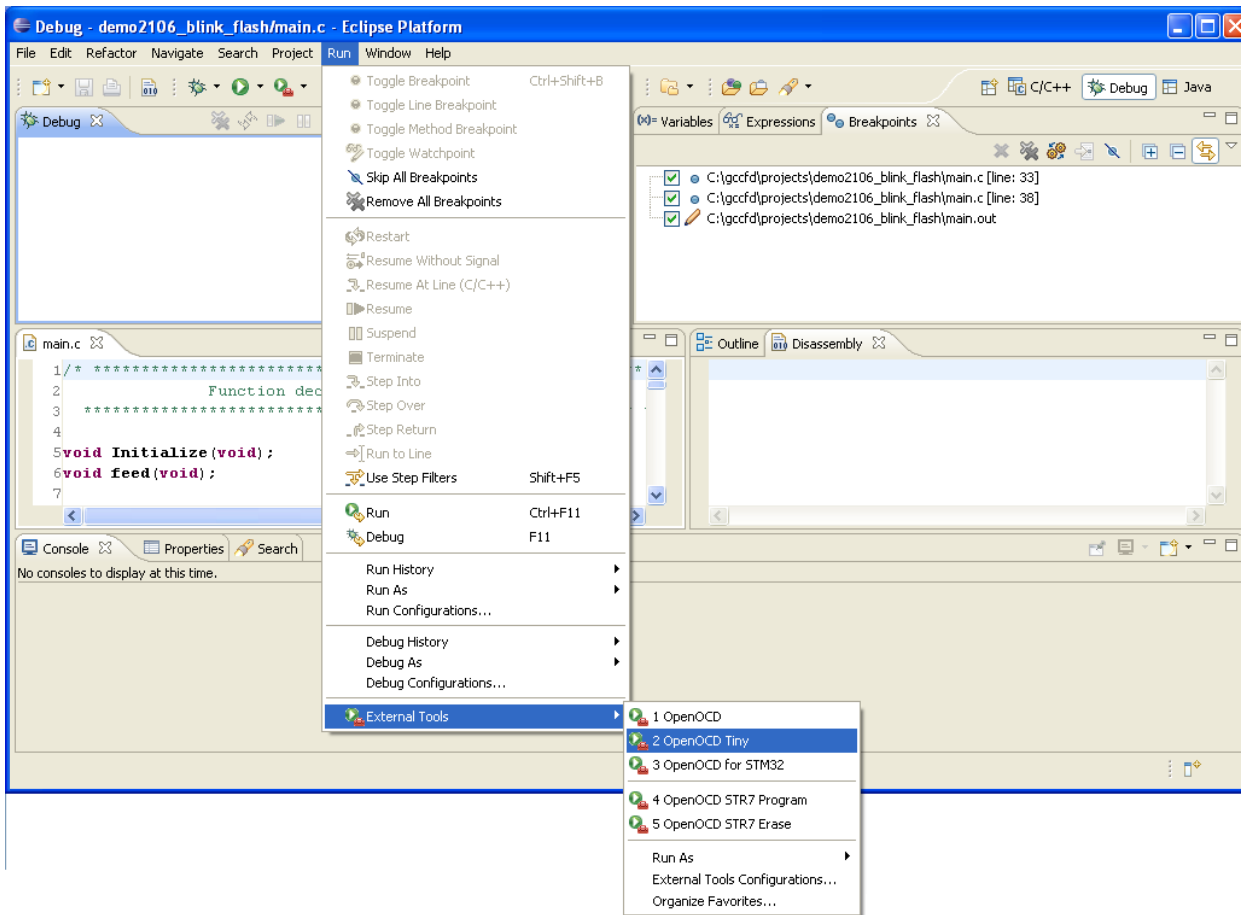
6. Switch to the Debug Perspective(Window->Open Perspective->Debug).

Before doing the next operation your cursor should be in main.c window (click there with the mouse).
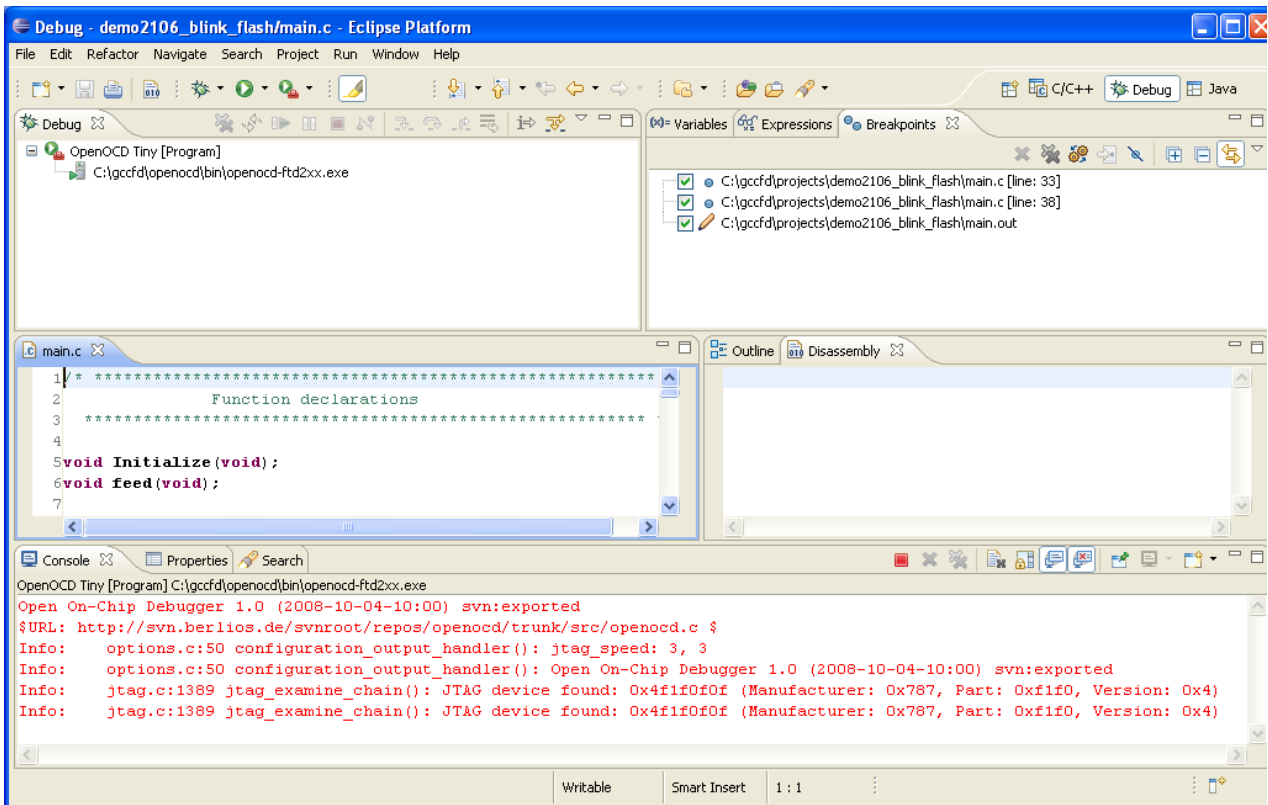
7. Start OpenOCD program from Run -> External Tools -> OpenOCD or OpenOCDTiny .
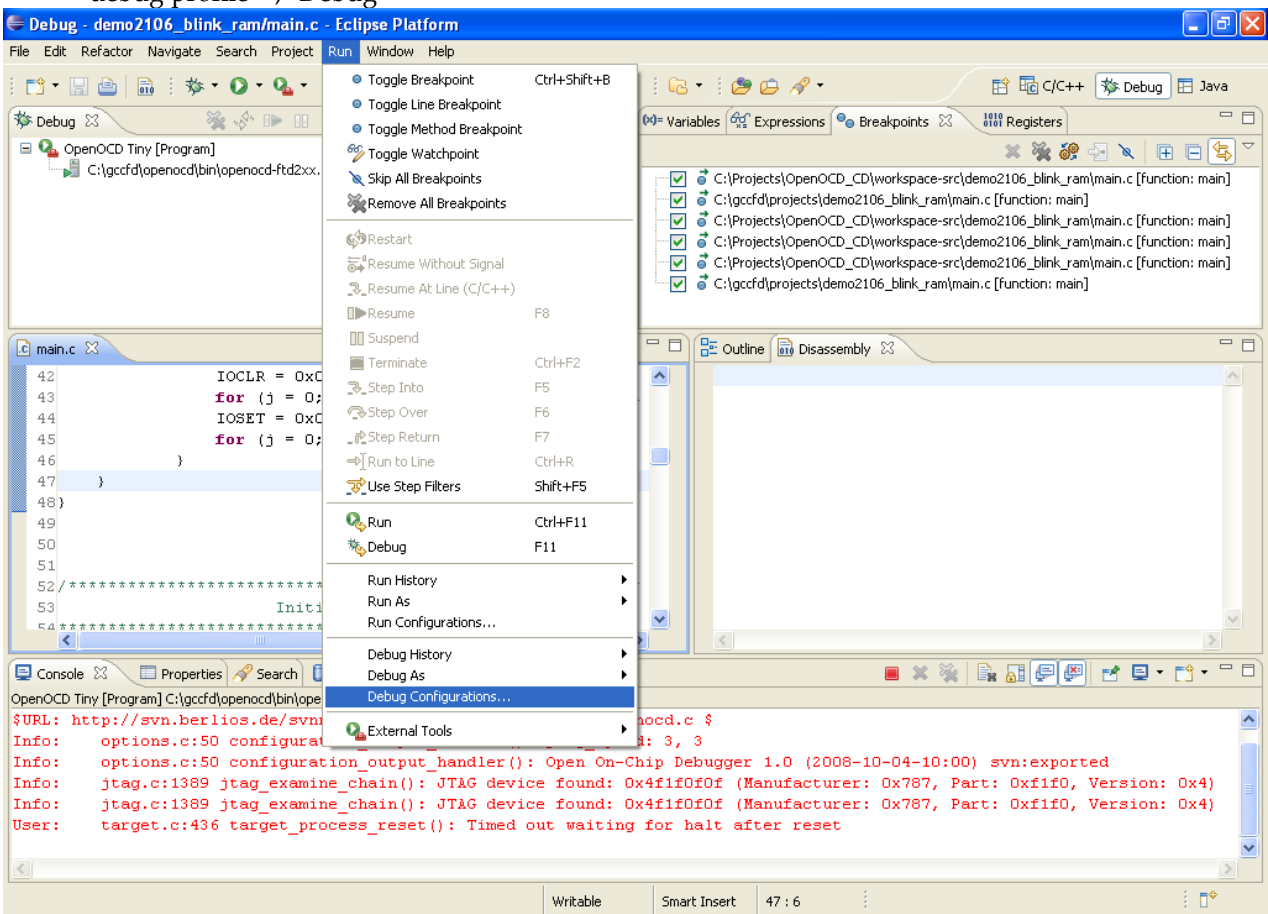
If your cursor is not there for next operation you will receive Error message:

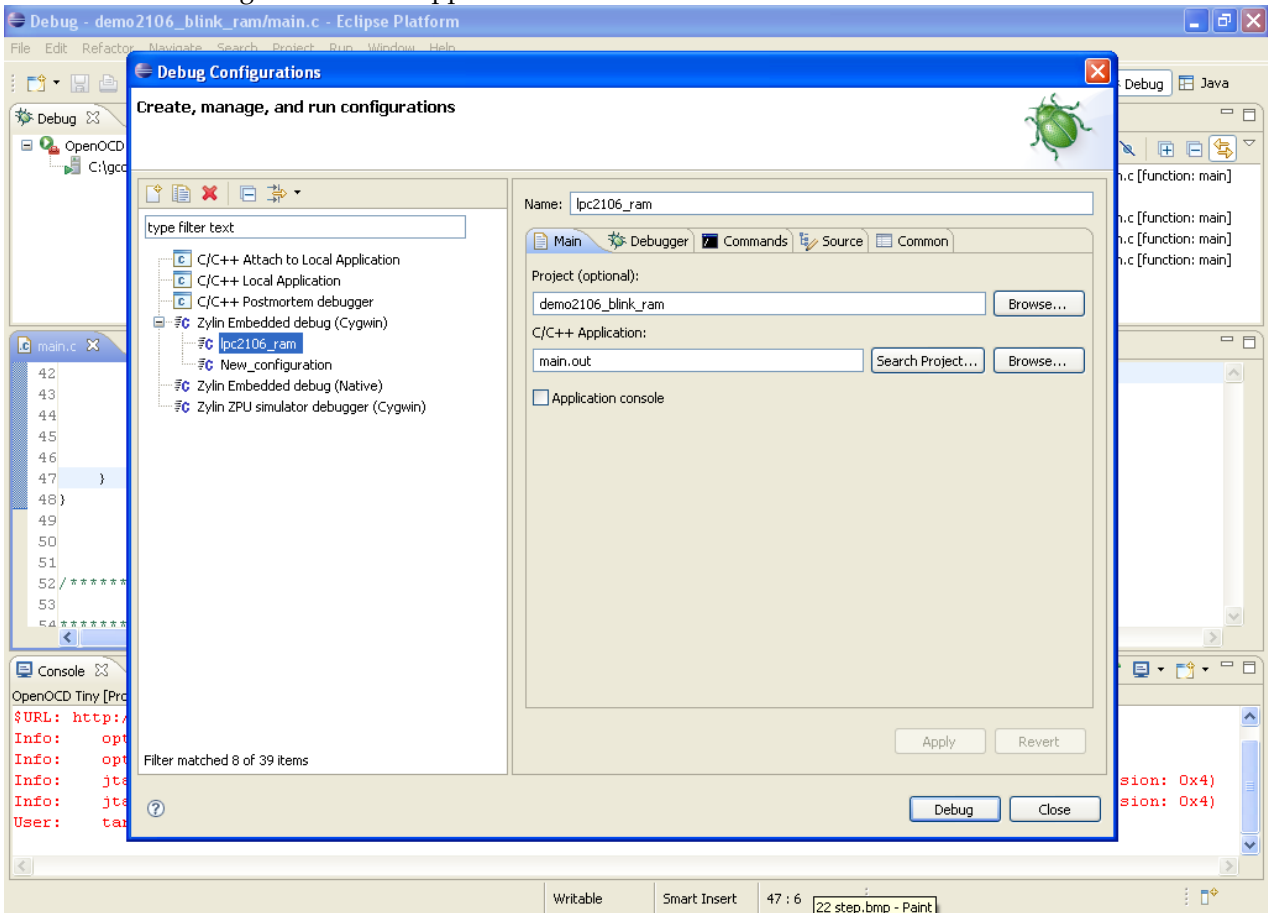If everything is correct you shoul see this window:
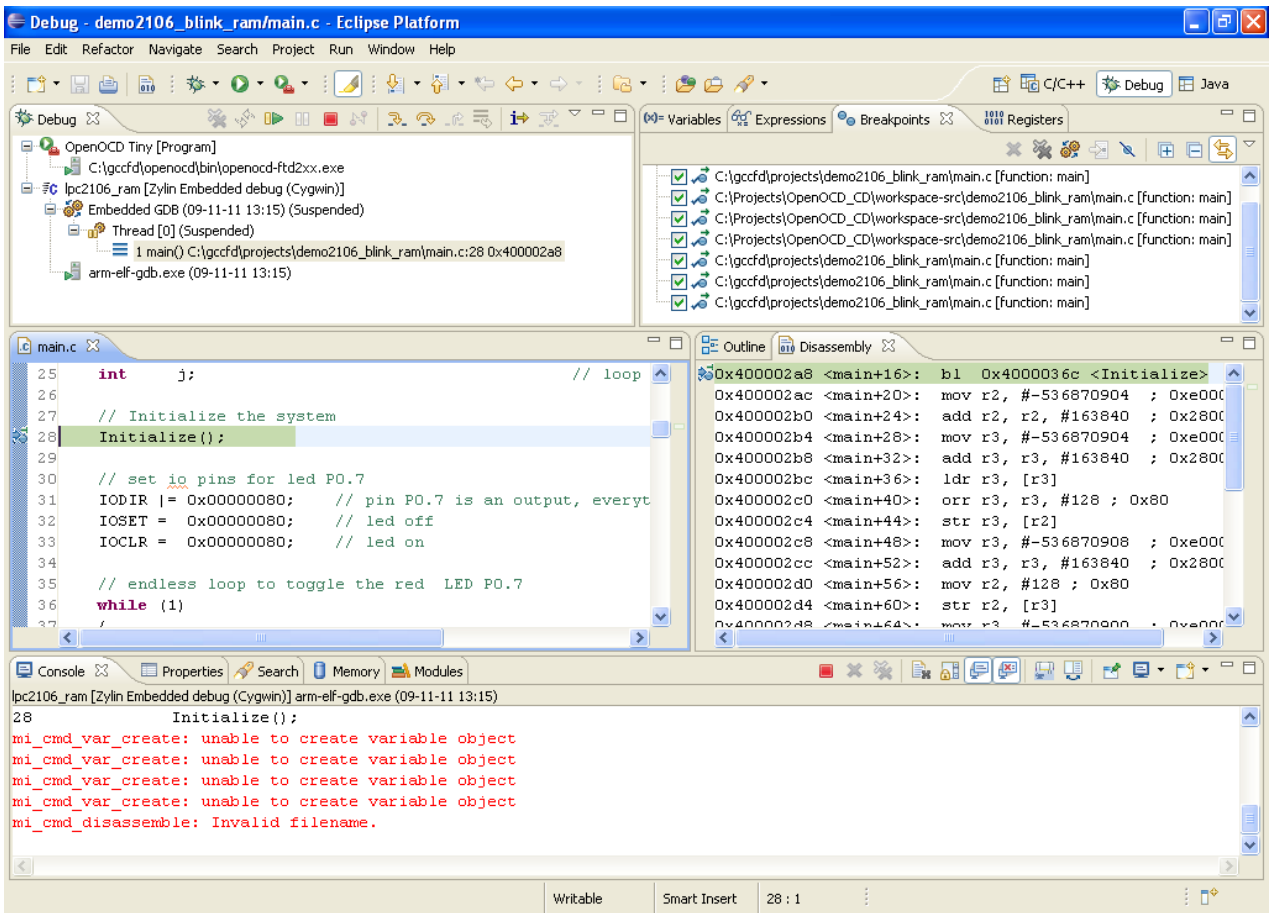
8. Start the debugger from "Run-> Debug Configurations->Embedded Debug(Cygwin)-><your prject debug profile>", "Debug"

The following window will appear:

Here you choose your project and click on „Debug".
After that that you should see window like this:

9. Enjoy the demo.

Note: This release includes experimental support for installation directory selection. Please use standard paths without spaces, or better yet leave the default one.

Note: Separate installations of OpenOCD, Yagarto and Codesourcery toolchain may interfere with this package. We recommend to uninstall them.

Note: If at any point a message box pops-up stating that ${project_loc} is not defined, make sure that a file from the project is actually open and selected in the editor.

Note: STM32 projects require revision 555 of OpenOCD which is registered as the external tool "OpenOCD for STM32".

Note: For STR7xx chips we recommend the following flash debug procedure:

1. Prepare debugging by switching to Debug view and loading main.c in the editor.
2. Run the external tool "OpenOCD STR7 Program" and wait for it to finish.
3. Power cycle the target board.
4. Run the "OpenOCD" external tool.
5. Run the project debug configuration to start debugging.

The example here is made for ARM-USB-TINY and LPC-P2106, if you have ARM-USB-OCD – on step 7 you should choose OpenOCD.